

Data sheet

Commercial Art.No.: X6.031.0053.1

Connector RST20i3FxB2 ZR1 SW

RST20i3 connector with ATEX-authorization, 3 pole, female, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black



Commercial Art.No.	X6.031.0053.1
EAN	4049088010088
Order Unit	1

Certificates / Approvals

SEV-Ex

Technical data

Classification

ECLASS 11	
ECLASS 8.1	27440605
ETIM 7.0	EC002560
ETIM 6.0	EC002560
ETIM 5.0	EC002560
ETIM 4.0	EC002560

General

Rated current	20 A
Rated voltage	250 V
Rated impulse voltage	4 kV
strain relief	yes
Pollution degree	3
Lockable	self-locking (unlocking by tool)
Color of coding/ contact carrier	black
Marking of poles	L, N, PE
Color of housing inclusive strain relief	black
Explosion-tested version	yes

Model

Model	female
Connection type	spring clamp connection
Degree of protection (IP)	IP66/68 (3m;2h) /IP69

Material

Housing material	Polyamide
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halogen free	yes
Contact material	CuZn
Fire load	0.292 kWh
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

Connection Data

Cable diameter max.	10 mm
Cable diameter min.	6 mm
Connection cross section solid mm ² max.	2.5 mm ²
Connection cross section solid mm ² min.	1.5 mm ²
Connection cross section fine stranded mm ² min.	1.5 mm ²
Terminations per pole	2
sheath strip length	35 mm
Wire strip length	14.5 mm

Dimensions

Length	82 mm
Width	34.6 mm
Height	34.6 mm

Note

Note	Fine stranded and stranded conductors require cable end sleeve
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Product compliance

ROHS conformity status	Compliant/Exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

Accessories

Commercial Art.No.:	Article-type description:	Description:
06.502.4300.0	screwdriver DIN 5264 A 0,4 X 2,5	Screw driver according to DIN 5264 A, blade: 0.4x2.5 mm, long and straight version
95.101.1300.0	ferrule crimping tool 0,08 - 10 mm ²	Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm ² , length of tool: 180 mm
06.600.3627.0	ferrules DIN 46228-E1-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm ² /AWG17
06.600.3727.0	ferrules DIN 46228-E0,75-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm ² /AWG17
06.600.3827.0	ferrules DIN 46228-E0,5-10	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm ² /AWG20
06.600.3927.0	ferrules DIN 46228-E1,5-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm ² /AWG16
99.414.6205.2	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color schwarz

Z5.564.4553.1	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
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Fits with

Commercial Art.No.:	Article-type description:	Description:
X6.030.0153.1	Distributor RST20i3VX3P1 F V SW	RST20i3 distribution block with ATEX-authorization, 3 pole, application 250V with PE, 20A, 1 input and 3 outputs, with fastening option, coding color black, color of housing black
X6.032.0053.1	Connector RST20i3FXS2 ZR1 V SW	RST20i3 connector with ATEX-authorization, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
X6.032.1053.1	Device connector RST20i3FXS2 M01V SW	RST20i3 device connector M25with ATEX-authorization, , 3 pole, male, spring clamp connection, application 250V with PE, 20A, coding color black
X6.032.2053.1	Device connector RST20i3FXS2 M00V SW	RST20i3 device connector M20with ATEX-authorization, , 3 pole, male, spring clamp connection, modular, application 250V with PE, 20A, coding color black, color of housing black